CONTENTS TO VOLUME 43

Vol. 43 No. 1 October 1988

Announcement iv

K. M. GUSEINOV / Growth of Planetesimals and Clearance of Disks around the T-Tauri Stars 1

MERVAT EL-SAYED AWAD / Encke's Special Perturbation Technique Associated with the KS Regularized Variables 7

Z. MARTINEC and K. PĚČ / A Determination of the Parameters of the Level Surface of Lunar Gravity 21

H. SALO, J. LUKKARI, and J. HÄNNINEN / Velocity Dependent Coefficient of Restitution and the Evolution of Collisional Systems 33

B. PETROPOULOS and P. TELONIS / The Lower Atmosphere of Venus After Vega 1 and 2 Missions 45

K. A. HÄMEEN-ANTTILA, J. HÄNNINEN, and M. VERRONEN / Stability of Particulate Discs 61

Vol. 43 No. 2 November 1988

E. M. DROBYSHEVSKI / Combustion as the Cause of Comet P/Halley's Activity 87

J. TIGG and G. PEARCE / An Infra-Red Model of the Zodiacal Emission 101

MUSTAFA ÖNAL / Application of the Markov Chain Approximation to the Sunspot Observations 107

MUSTAFA ÖNAL / Estimates of the Number of Sunspot Groups: Application to the Activity Cycle 1960–1970 117

MARTYN J. FOGG / Unbound Planets 123

N. J. SACK / Organic-Chemical Clues to the Theory of Impacts as a Cause of Mass Extinctions 131

N. C. WICKRAMASINGHE, M. K. WALLIS, and F. HOYLE / Modelling the 5–30 mm Spectrum of Comet Halley 145

N. N. RAO, U. N. RAO, and A. C. DAS / Hydromagnetic Turbulence in Cometary Plasmas 155

J. XANTHAKIS, H. MAVROMICHALAKI, B. PETROPOULOS, E. MARMATSOURI, and A. VASSILAKI / A Periodical Analysis of the Cosmic-Ray Diffusion Coefficient and the High-Speed Solar-Wind Streams 165

E. H. GEYER and M. HOFFMANN / Photoelectric Observations of the Occultation of 136 Tauri by Venus 181

Letter to the Editor

MARTIN BEECH / Meteor Astronomy: A Mature Science? 187

Announcement 195

Vol. 43 No. 3 December 1988

OSMAN M. KAMEL and ADEL S. SOLIMAN / The Expansion of Negative Powers of the Mutual Distance between Two Planets 197

I. ORGZALL and S. FRANCK / Mars and its Magnetic Field - Some New Aspects 201

M. DIZER and A. OZGUC / Spectral Studies of the Time-Series of the Geomagnetic Activities 211

B. S. RAUTELA and B. B. SANWAL / Spectrophotometric Study of Comet Bradfield (1987s) 221

SILVIA FERNÁNDEZ and CRISTIÁN BEAUGÉ / On the Instability Region around the 5 : 3 Jovian Resonance 227

I. BOCKSTEIN, P. CHOCIA, and M. KRONROD / Methods of Venus Radiolocation Map Synthesis Using Strip Images of Venera-15 and Venera-16 Space Stations 233

M. BURŠA / Secular Love and Tidal Numbers of Synchronously Orbiting Satellites 261

OSMAN M. KAMEL / A Determination of Secular Terms in First-Order Planetary Theory 267

OSMAN M. KAMEL / Determination of Secular Terms in General Planetary Theory 271

M. SHEN and C. Z. ZHANG / Dynamical Evolution of the Rotation of Venus 275

M. K. M. AHMED and M. H. A. YOUSEF / Conditionally-Periodic Solutions of the Hamiltonian Systems with Multiple Resonance 289

Letters to the Editor

KENT D. TREGO / Color Enhanced Imagery of Major Geological Features on Mars 299

NILS AALL BARRICELLI / A Note on the Gravitational Field of Phobos 307

This publication is available in microform.

University Microfilms International reproduces this publication in microform: microfiche and 16mm or 35mm film. For information about this publication or any of the more than 13,000 titles we offer, complete and mail the coupon to: University Microfilms International, 300 N. Zeeb Road, Ann Arbor, MI 48106. Call us toll-free for an immediate response: 800-521-3044. Or call collect in Michigan, Alaska and Hawaii: 313-761-4700.

☐ Please send information about these titles:

_____

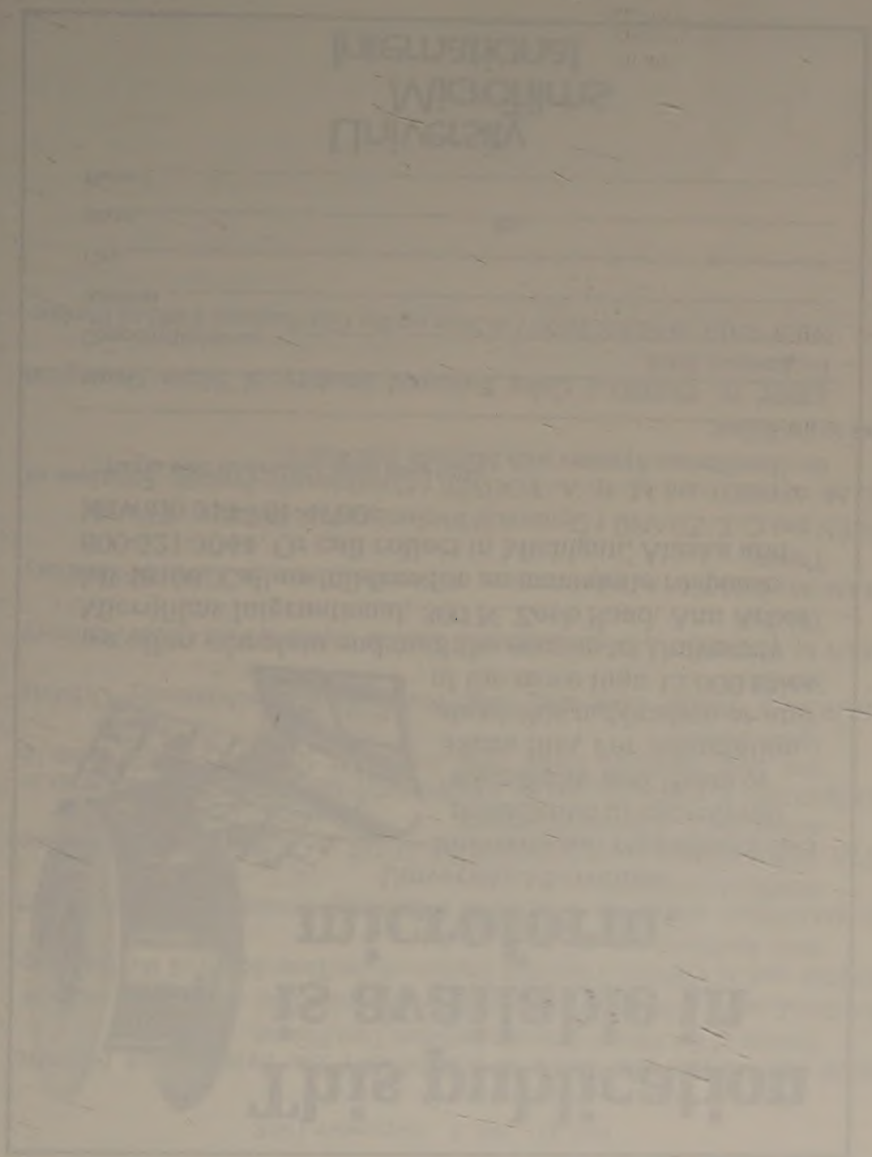
Name _____

Company/Institution _____

Address _____

City _____

State _____ Zip _____

Phone ( ) _____

University Microfilms International